

COPY

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

EPA Region 5 Records Ctr.



334773

PERMIT NO.: 1982-SC-0711

DATE ISSUED: September 15, 1982

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

LOG NUMBERS: 0711-82

PREPARED BY: Metropolitan Sanitary District of Greater Chicago

SUBJECT: MSDGC -- Hanover Park, Fischer Farm Sludge Disposal on Land

PERMITTEE TO OPERATE
Metropolitan Sanitary District
of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611

Permit is hereby granted to the above designated permittee to operate water pollution control facilities described as follows:

Surface application of anaerobically digested sewage sludge from the Hanover Park treatment facilities to the bermed and underdrained areas encompassing approximately 124 acres. The average annual application rate shall not exceed 20 dry tons per acre for the annual crops or nursery program.

This Operating Permit expires on September 10, 1987.

This Permit renews and replaces Permit Number 1975-DB-345-COP which was previously issued for the herein permitted facilities.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplemental Permit.


SPECIAL CONDITION 1: The applicant shall transport all runoff and collected leachate to the influent of the treatment plant for complete treatment and shall not be discharged to the West Branch of the DuPage River unless the applicable effluent and water quality standards are complied with and the applicant's NPDES permit is modified to reflect this discharge.

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THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:SAK:sd/5180c/11-12
cc: EPA - Region II
MSDGC Clerk
MSDGC, Gerald Garbis

DIVISION OF WATER POLLUTION CONTROL


Thomas G. McSwiggin, P.E.
Manager, Permit Section

111.532-90009
WPC-146 (10/81)

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SPECIAL CONDITION 2: The monitoring wells around the field application areas shall be monitored two times every month for the following parameters: pH, total phosphorus, chloride, sulfate, total Kjeldahl nitrogen, ammonia nitrogen as N, nitrate and nitrite nitrogen as N, alkalinity as CaCO_3 , electrical conductivity, zinc, cadmium, copper, chromium, nickel, manganese and iron. The applicant shall submit the results of these analyses to the Field Operations Section, DWPC, 1701 First Avenue, Maywood, Illinois on a quarterly basis.

SPECIAL CONDITION 3: The applicant shall analyze the sludge being applied from the storage lagoons or digesters on a quarterly basis for the following parameters: % total solids, % volatile solids, pH, volatile acids, total Kjeldahl nitrogen, ammonia nitrogen, total phosphorus, cadmium, nickel, copper, lead, zinc, chromium and manganese. The applicant shall submit the results of these analyses to the Field Operations Section, DWPC, Maywood Office on a quarterly basis.

SPECIAL CONDITION 4: The applicant shall record the quantity of drainage returned to the treatment plant influent and shall analyze this drainage for BOD_5 , total suspended solids and ammonia nitrogen. The applicant shall submit the records of these quantities and results of these analyses to the Field Operations Section, DWPC, Maywood Office on a quarterly basis.

SPECIAL CONDITION 5: The applicant shall record the total quantities of sludge applied to each application area, including dates sludge is applied, quantities applied on each date and the type of crops or nursery plants grown. The applicant shall submit these records to the Field Operations Section, DWPC, Maywood Office on a yearly basis and shall indicate the expected crop or nursery plant for the next growing season on each application area.

SPECIAL CONDITION 6: The applicant shall take the necessary measures to ensure relatively even distribution of sludge over the field application areas.